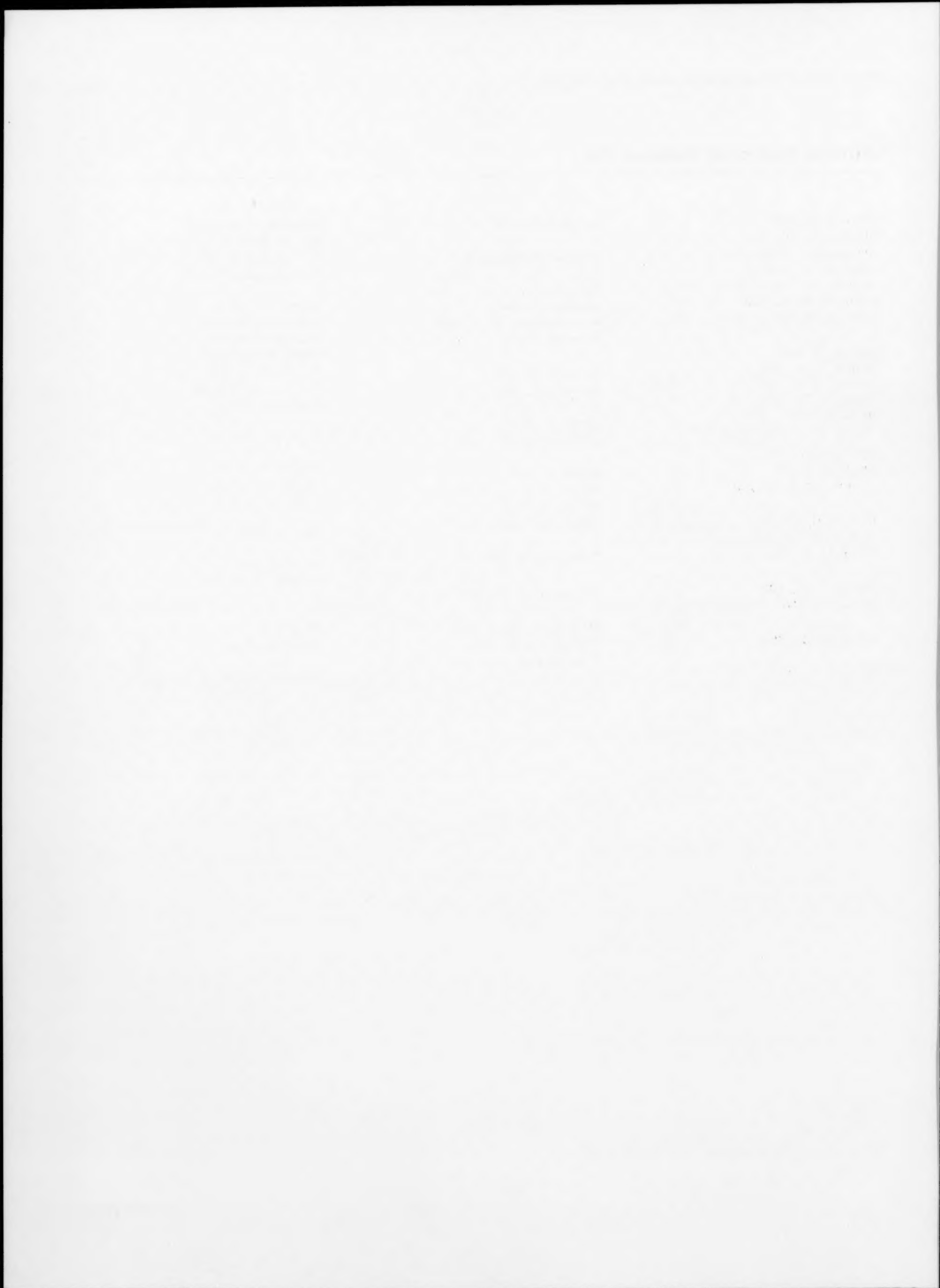


Author Index of Volume 50

- Aarts, R. J., B45
Ahmed, K., 165
Ajongwen, J., B23
Akintoye, A., B23
Almeida, V., 115
Anabtawi, M. Z., 143
Atkinson, B., B9
- Baluais, G., 69
Barker, P. E., B23
Barresi, A. A., 123
Berlan, J., 27
Bruno, L., 87
- Chen, C. Y., B39
Chianese, A., 87
Chowdhury, H. M., 165
- Delmas, H., 27
Di Berardino, F., 87
Dodds, J. A., 69
- Fahidy, T. Z., 109
Frances, C., 87
- Ganetsos, G., B23
- Hung, S. L., 123
- Jamialahmadi, M., 47
- Kawalec-Pietrenko, B. T., B29
Kawase, Y., 1
Kiparissides, C., 95
Kortela, U., B45
Krishnaswamy, P. R., 159
Kumagai, T., 1
- Le Goff, H., 169
Le Goff, P., 169
Lee, W. C., 79
Linko, P., B45
Lobo, L. S., 115
- Melin, E., B17
Migiro, C. L. C., B1
Möller, S., B45
Müller-Steinhagen, H., 47
- Nakayama, A., 33
- O'Driscoll, K. F., 95
- Penlidis, A., 95
Pfefferle, L. D., 123
Ponnuswamy, S. R., 95
Preece, P. E., 133
- Rangaiah, G. P., 159
Rao, K. K., 9
Ratoarinoro, N., 27
Rauman-Aalto, P., B45
- Sastri, S. R. S., 9
Schwarzer, B., 169
Shenoy, A. V., 33
Shieh, W. K., B17
Skoczylas, A., 149
Soetrinanto, A., 169
Sokół, W., B1
- Ti, H. C., 133
- Umeno, S., 1
Urbański, A., 149
Uysal, B. Z., 143
- Vital, J., 115
- Webb, C., B9
Wilhelm, A. M., 27
- Yang, Z. F., B39
Yu, S. Q., B39
- Zimmels, Y., 59



Subject Index of Volume 50

- Aeration
 - time-dependent gas hold-up and bubble size distribution in a gas-highly viscous liquid-solid system, B29
- Alcohol
 - effect of alcohol, organic acid and potassium chloride concentration on bubble size, bubble rise velocity and gas hold-up in bubble columns, 47
- Bioreaction
 - bioreaction-separation on continuous chromatographic systems, B23
- Bioreactors
 - operational range for a continuous stirred-tank bioreactor degrading an inhibitory substance, B1
- Biotechnology
 - role of chemical engineering in biotechnology, B9
- Bubble columns
 - prediction of gas hold-up in bubble column reactors: newtonian and non-newtonian fluids, 1
 - effect of alcohol, organic acid and potassium chloride concentration on bubble size, bubble rise velocity and gas hold-up in bubble columns, 47
- Bubbles
 - time-dependent gas hold-up and bubble size distribution in a gas-highly viscous liquid-solid system, B29
- Catalysts
 - methane combustion in a catalytically stabilized thermal burner, 123
- Combustion
 - methane combustion in a catalytically stabilized thermal burner, 123
- Composite energy density
 - use of the composite energy density for analysis of the stability of the composite phase in magnetized fluidized beds, 59
- Composite phase
 - use of the composite energy density for analysis of the stability of the composite phase in magnetized fluidized beds, 59
- Convection heat transfer
 - unified similarity transformation for Darcy and non-Darcy forced, free- and mixed-convection heat transfer in non-newtonian inelastic fluid-saturated porous media, 33
- Cyclohexane
 - dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts, 165
- Cyclohexene
 - dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts, 165
- Darcy conditions
 - unified similarity transformation for Darcy and non-Darcy forced, free- and mixed-convection heat transfer in non-newtonian inelastic fluid-saturated porous media, 33
- Dehydrogenation
 - dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts, 165
- Diakoptics
 - large-scale fluid network analysis: mixed pressure and flow specifications, 133
- Drainage rates
 - calculation of drainage rates of filter cakes with a two-phase flow model, 69
- Enzymes
 - ARMAX modelling and state estimation of an enzyme fermentation process, B45
- Esters
 - extraction of penicillin G with neutral phosphorus esters, B39
- Ethanol production
 - continuous ethanol production from glucose using *Saccharomyces cerevisiae* immobilized on fluidized microcarriers, B17
- Evaporators
 - new falling film evaporator with spiral fins, 169
- Extraction
 - extraction of penicillin G with neutral phosphorus esters, B39
- Fermentation
 - ARMAX modelling and state estimation of an enzyme fermentation process, B45
- Filter cakes
 - calculation of drainage rates of filter cakes with a two-phase flow model, 69
- Fluid network analysis
 - large-scale fluid network analysis: mixed pressure and flow specifications, 133
- Fluidized beds
 - on the behaviour of a liquid fluidized bed of monosized sodium perborate crystals, 87
 - use of the composite energy density for analysis of the stability of the composite phase in magnetized fluidized beds, 59
- Fluidized microcarriers
 - continuous ethanol production from glucose using *Saccharomyces cerevisiae* immobilized on fluidized microcarriers, B17
- Gas hold-up
 - effect of alcohol, organic acid and potassium chloride concentration on bubble size, bubble rise velocity and gas hold-up in bubble columns, 47
 - gas hold-up in a bi-dimensional three-phase spouted bed, 143
 - prediction of gas hold-up in bubble column reactors: newtonian and non-newtonian fluids, 1
- Glucose
 - continuous ethanol production from glucose using *Saccharomyces cerevisiae* immobilized on fluidized microcarriers, B17

- Heat transfer**
influence of vibrating element on heat transfer in a thin-layer evaporator, 149
solution method for a class of heat and mass transfer problems in a heterogeneous system, 79
- Heterogeneous reaction**
effects of ultrasound emitter type and power on a heterogeneous reaction, 27
- Heterogeneous systems**
solution method for a class of heat and mass transfer problems in a heterogeneous system, 79
- Hydration**
kinetic modelling with phase equilibria of α -pinene hydration to terpene in isobutanol-water, 115
- Kinetic modelling**
kinetic modelling with phase equilibria of α -pinene hydration to terpene in isobutanol-water, 115
- Mass transfer**
solution method for a class of heat and mass transfer problems in a heterogeneous system, 79
- Methane**
methane combustion in a catalytically stabilized thermal burner, 123
- Microbiology**
role of chemical engineering in biotechnology, B9
- Modelling**
ARMAX modelling and state estimation of an enzyme fermentation process, B45
polymer reaction engineering: modelling considerations for control studies, 95
- Newtonian fluids**
prediction of gas hold-up in bubble column reactors: newtonian and non-newtonian fluids, 1
- Nickel**
dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts, 165
- Organic acid**
effect of alcohol, organic acid and potassium chloride concentration on bubble size, bubble rise velocity and gas hold-up in bubble columns, 47
- Organic liquids**
new group contribution method for predicting viscosity of organic liquids, 9
- Oxidization**
operational range for a continuous stirred-tank bioreactor degrading an inhibitor substance, B1
- Penicillin G**
extraction of penicillin G with neutral phosphorus esters, B39
- α -Pinene**
kinetic modelling with phase equilibria of α -pinene hydration to terpene in isobutanol-water, 115
- Platinum**
dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts, 165
- Polymer reaction engineering**
polymer reaction engineering: modelling considerations for control studies, 95
- Process control**
polymer reaction engineering: modelling considerations for control studies, 95
- Separation**
bioreaction-separation on continuous chromatographic systems, B23
- Set point weighting**
set point weighting for simplified model predictive control, 159
- Sodium perborate**
on the behaviour of a liquid fluidized bed of monosized sodium perborate crystals, 87
- Sonochemistry**
effects of ultrasound emitter type and power on a heterogeneous reaction, 27
- Spouted bed**
gas hold-up in a bi-dimensional three-phase spouted bed, 143
- Substrates**
operational range for a continuous stirred-tank bioreactor degrading an inhibitory substance, B1
- Sucrose**
bioreaction-separation on continuous chromatographic systems, B23
- Suspensions**
time-dependent gas hold-up and bubble size distribution in a gas-highly viscous liquid-solid system, B29
- Tank-electrolyser cascades**
study of performance and optimization of tank-electrolyser cascades, 109
- Thin layer evaporator**
influence of vibrating element on heat transfer in a thin-layer evaporator, 149
- Ultrasound emitter type**
effects of ultrasound emitter type and power on a heterogeneous reaction, 27
- Vapour pressure**
a new group contribution method for predicting viscosity of organic liquids, 9
- Vibrating element**
influence of vibrating element on heat transfer in a thin-layer evaporator, 149
- Viscosity**
new group contribution method for predicting viscosity of organic liquids, 9

